

SESSION I: RADAR AND RADIO ASTRONOMY

THE OWENS VALLEY OBSERVATORY SYNTHESIS ARRAY

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SUMMARY

The current research programs in radio astronomy at the Owens Valley Observatory are discussed along with the extensions of these programs with the proposed new synthesis array. Possible configurations of the proposed array are examined in connection with various research programs, and some of the technical problems concerning the electronics and the interconnection of the complete array are considered. After reviewing the factors involved in the selection of the site of the Owens Valley Observatory, some aspects of the mechanical design and cost of the proposed array are discussed.